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Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Fizik (Dr), Turkey 2016 - Continues

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Fizik (YI) (Tezli), Turkey 2013 - 2016

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 2008 - 2013

Dissertations

Postgraduate, Pulsed three dimensional THz imaging, Middle East Technical University, Graduate School of Natural and Applied Sciences, Fizik (YI) (Tezli), 2016

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An ex vivo comparative study of occlusal and proximal caries using terahertz and X-ray imaging**
Kamburoglu K, KARAGÖZ B., ALTAN H., Ozen D.
DENTOMAXILLOFACIAL RADIOLOGY, vol.48, no.2, 2019 (SCI-Expanded)
- II. **Terahertz Propagation in Tissues and Its Thickness Limitation**
KARAGÖZ B., ALTAN H.
DEEP IMAGING IN TISSUE AND BIOMEDICAL MATERIALS: USING LINEAR AND NONLINEAR OPTICAL METHODS, pp.377-411, 2017 (SCI-Expanded)

Books & Book Chapters

- I. **Sub-micron Direct Silicon Processing by Microsphere Focused Femtosecond Infrared Laser**
İDİKUT F., KARAGÖZ B., BEK A.

in: Advances in Optics: Reviews Book Series, Volume 5, Y. Yurish, Sergey, Editor, International Frequency Sensor Association (IFSA) Publishing, S. L., pp.473-484, 2021

II. Terahertz Propagation in Tissues and Its Thickness Limitation

KARAGÖZ B., ALTAN H.

in: Deep Imaging in Tissue and Biomedical Materials: Using Linear and Nonlinear Optical Methods, Lingyan Shi, Robert R. Alfano, Editor, Pan Stanford, pp.377-411, 2017

Refereed Congress / Symposium Publications in Proceedings

I. Terahertz pulsed imaging for the monitoring of dental caries: a comparison with X-ray imaging

KARAGÖZ B., KAMBUROĞLU K., ALTAN H.

Conference on Medical Laser Applications and Laser-Tissue Interactions VIII, Munich, Germany, 25 - 29 June 2017, vol.10417

II. Assessment of incipient dental caries by terahertz pulsed imaging a comparative study

KAMBUROĞLU K., KARAGÖZ B., ALTAN H.

15th European Academy of Dentomaxillofacial Radiology Congress, Cardiff, United Kingdom, 15 - 18 June 2016

III. Terahertz Pulsed Imaging of Dental Structures

KARAGÖZ B., KAMBUROĞLU K., ALTAN H.

4th Annual Conference of COST Action MP1204 and the International Conference on Semiconductor Mid-IR and THZ Materials and Optics SMMO2016, Lisbon, Portugal, 21 - 24 March 2016

IV. THZ imaging of dental structures and implants Preliminary Findings

KAMBUROĞLU K., KARAGÖZ B., ALTAN H.

The 20th International Congress of Dento-Maxillo-Facial Radiology, Santiago, Chile, 26 - 28 August 2015

V. Terahertz pulsed imaging study of dental caries

KARAGÖZ B., ALTAN H., KAMBUROĞLU K.

Conference on Medical Laser Applications and Laser-Tissue Interactions VII, Munich, Germany, 21 - 23 June 2015, vol.9542

Metrics

Publication: 9

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